

Fig. 1.

MPEG-1 program

# Replacement Sheet

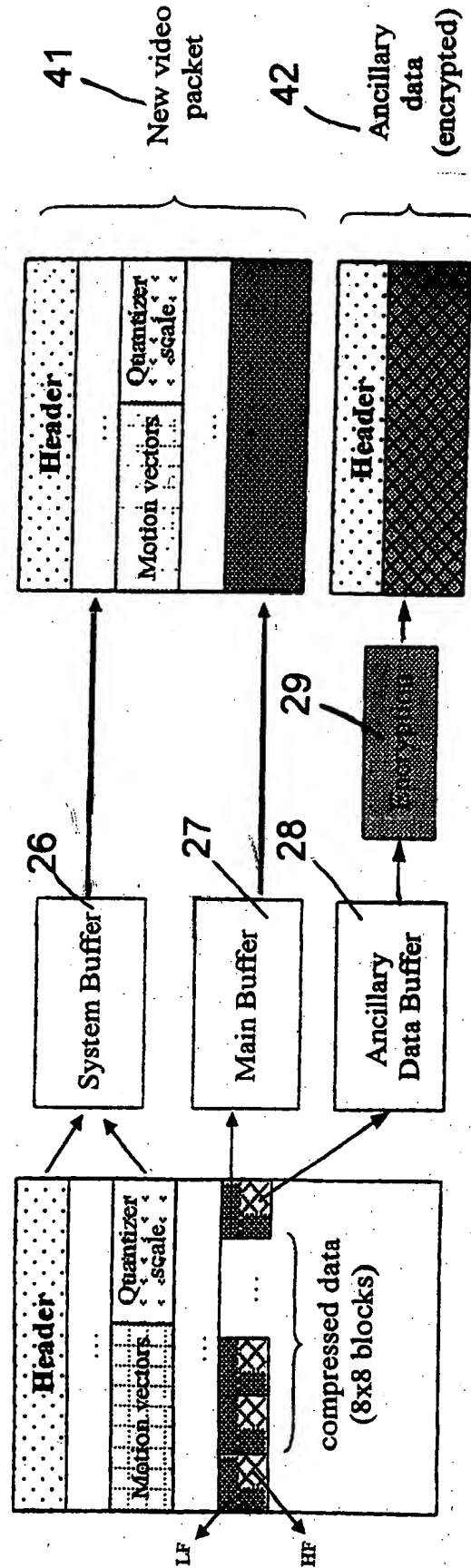


Fig. 2.

Original video packet 13

# Replacement Sheet

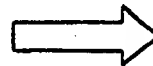
|   |   |   |   |                |                |
|---|---|---|---|----------------|----------------|
| Y | Y | Y | Y | C <sub>b</sub> | C <sub>r</sub> |
|---|---|---|---|----------------|----------------|

Fig. 3.

|     |     |     |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|
| 127 | 135 | 133 |  |  |  |  |  |
| 131 | 130 | 133 |  |  |  |  |  |
| 139 | 133 | ... |  |  |  |  |  |
|     |     |     |  |  |  |  |  |
|     |     |     |  |  |  |  |  |
|     |     |     |  |  |  |  |  |
|     |     |     |  |  |  |  |  |
|     |     |     |  |  |  |  |  |

8x8 image region

2D - DCT



|    |   |   |   |  |  |  |  |
|----|---|---|---|--|--|--|--|
| DC | 1 | 5 | 6 |  |  |  |  |
| 2  | 4 | 7 |   |  |  |  |  |
| 3  | 8 |   |   |  |  |  |  |
|    |   |   |   |  |  |  |  |
|    |   |   |   |  |  |  |  |
|    |   |   |   |  |  |  |  |
|    |   |   |   |  |  |  |  |
|    |   |   |   |  |  |  |  |

8x8 DCT  
(zig-zag scan)

|    |   |   |     |  |  |     |    |     |
|----|---|---|-----|--|--|-----|----|-----|
| DC | 1 | 2 | ... |  |  | ... | 63 | EOB |
|----|---|---|-----|--|--|-----|----|-----|

Fig. 4.

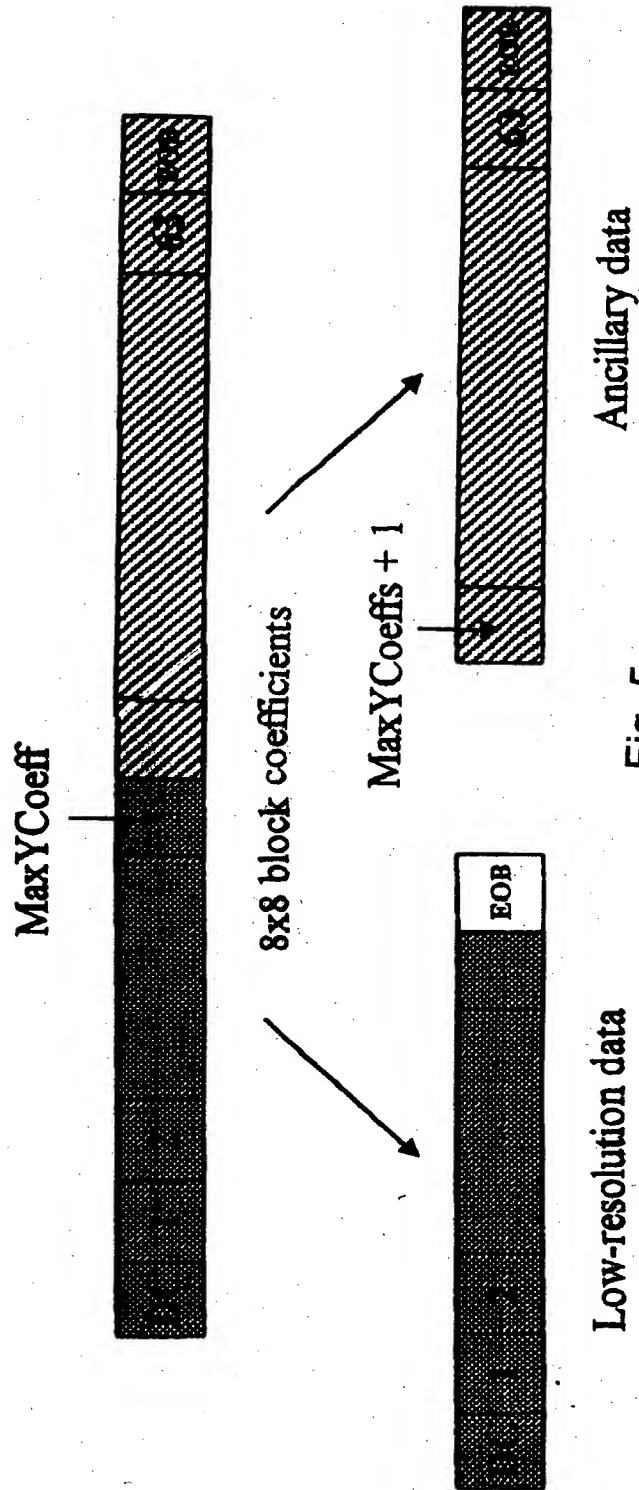


Fig. 5.

# Replacement Sheet

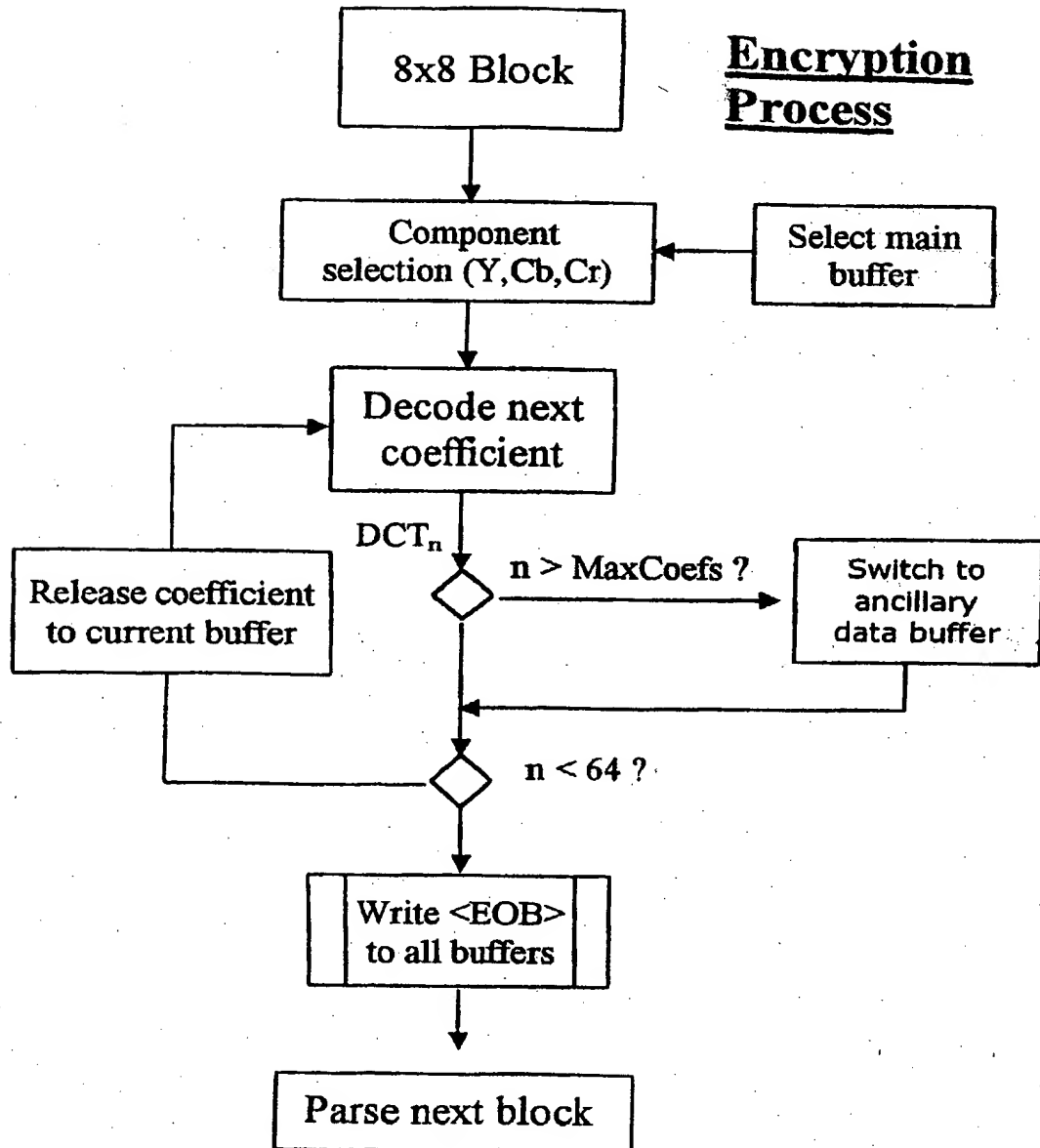


Fig. 6 .

Standard MPEG-1 player

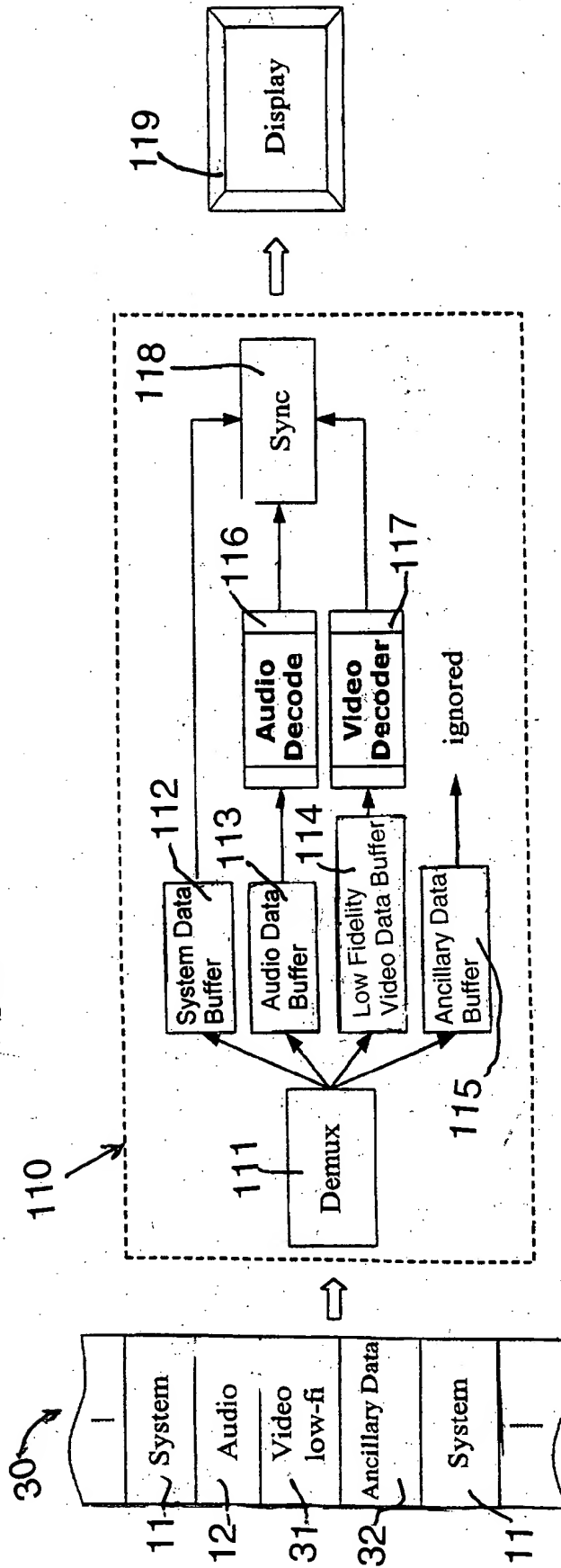
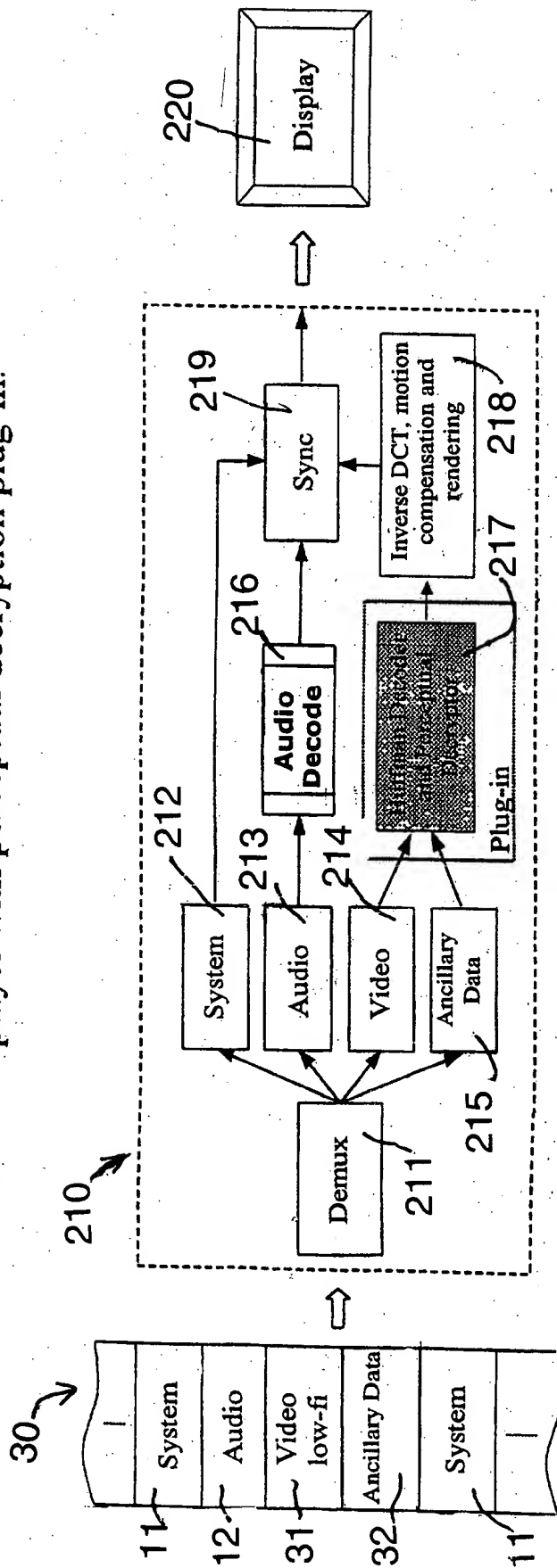


Fig. 7

Perceptually encrypted  
MPEG-1 stream

MPEG-1 player with perceptual decryption plug-in.



Perceptually encrypted  
MPEG-1 stream

Fig. 8

# Replacement Sheet

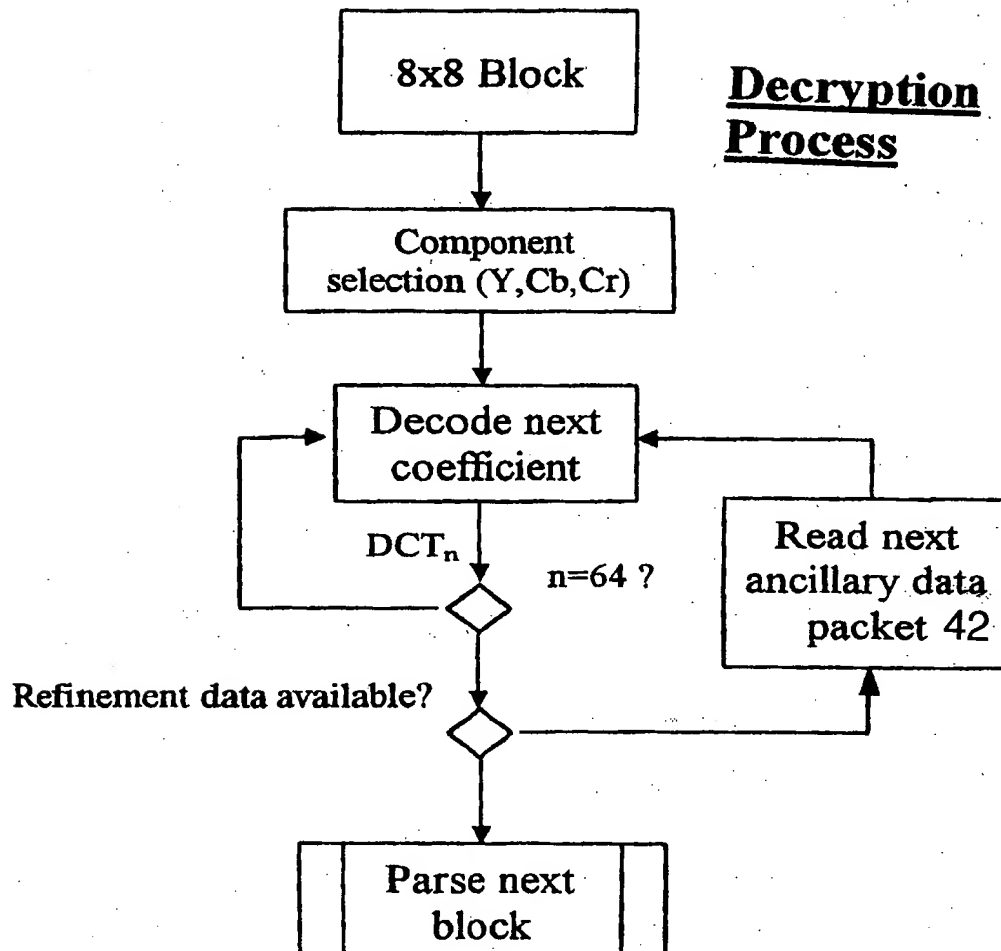


Fig. 9.